Index of authors and papers to volume 83

Badrinarayanan, R., José, J.V. and Chu, G., Quantum manifestations of classical chaos in a Fermi accelerating disk 83 (1995) 1
Bakaleinikov, L.A. and Silbergleit, A.S., On the applicability of the approximate Poincaré mapping to the analysis of dynamics induced by ODE systems. I. Proximity of mappings 83 (1995) 326
Bakaleinikov, L.A. and Silbergleit, A.S., On the applicability of the approximate Poincaré mapping to the analysis of dynamics induced by ODE systems. II. Proximity of coordinate partial derivatives of Poincaré mappings 83 (1995) 342
Baranger, H.U., Quantum transport and chaos in semiconductor microstructures 83 (1995) 30
Bayfield, J.E., Luie, S.-Y., Perotti, L.C. and Skrzypkowski, M.P., Excited hydrogen atoms in pulsed microwaves: journeys to quantum chaos and back 83 (1995) 46
Berman, G.P., Bulgakov, E.N. and Holm, D.D., Crossover behavior in quantum nonlinear resonance in a hydrogen atom 83 (1995) 55
Bishop, A.R., see Wang, L. 83 (1995) 286
Brindley, J., see Yannacopoulos, A.N. 83 (1995) 421
Bulgakov, E.N., see Berman, G.P. 83 (1995) 55

Campman, K., see Sherwin, M.S. 83 (1995) 229
Casati, G., Fluctuations in quantum chaos 83 (1995) 59
Chuev, G.N., Mesoscopic model of the solvated electron 83 (1995) 68
Chu, G., see Badrinarayanan, R. 83 (1995) 1
Constantin, P., Grossman, E. and Mungan, M., Inelastic collisions of three particles on a line as a two-dimensional billiard 83 (1995) 409
Cooper, F., Dawson, J., Habib, S., Kluger, Y., Meredith, D. and Shepard, H., Semiquantum chaos and the large N expansion 83 (1995) 74
Craig, K., see Sherwin, M.S. 83 (1995) 229
Crommie, M.F., Lutz, C.P., Eigler, D.M. and Heller, E.J., Quantum corrals 83 (1995) 98
Cvitanović, P., Dynamical averaging in terms of periodic orbits 83 (1995) 109

Dahlqvist, P., Periodic orbit asymptotics for intermittent Hamiltonian systems 83 (1995) 124
Davids, P.S. and Lerner, P.B., Cavity quantum electrodynamics in carbon nanotube 83 (1995) 143
Dawson, J., see Cooper, F. 83 (1995) 74
Dikandé, A.M. and Kofané, T.C., Nonlinear dynamics, soft-mode and central-peak phenomena in one-dimensional systems with long-range interparticle interactions 83 (1995) 450

Efetov, K., Supersymmetry in quantum chaos and mesoscopic physics 83 (1995) 151
Eigler, D.M., see Crommie, M.F. 83 (1995) 98

Fafard, S., see Sherwin, M.S. 83 (1995) 229

Index of authors and papers to volume 83

Badrinarayanan, R., José, J.V. and Chu, G., Quantum manifestations of classical chaos in a Fermi accelerating disk 83 (1995) 1
Bakaleinikov, L.A. and Silbergleit, A.S., On the applicability of the approximate Poincaré mapping to the analysis of dynamics induced by ODE systems. I. Proximity of mappings 83 (1995) 326
Bakaleinikov, L.A. and Silbergleit, A.S., On the applicability of the approximate Poincaré mapping to the analysis of dynamics induced by ODE systems. II. Proximity of coordinate partial derivatives of Poincaré mappings 83 (1995) 342
Baranger, H.U., Quantum transport and chaos in semiconductor microstructures 83 (1995) 30
Bayfield, J.E., Luie, S.-Y., Perotti, L.C. and Skrzypkowski, M.P., Excited hydrogen atoms in pulsed microwaves: journeys to quantum chaos and back 83 (1995) 46
Berman, G.P., Bulgakov, E.N. and Holm, D.D., Crossover behavior in quantum nonlinear resonance in a hydrogen atom 83 (1995) 55
Bishop, A.R., see Wang, L. 83 (1995) 286
Brindley, J., see Yannacopoulos, A.N. 83 (1995) 421
Bulgakov, E.N., see Berman, G.P. 83 (1995) 55

Campman, K., see Sherwin, M.S. 83 (1995) 229
Casati, G., Fluctuations in quantum chaos 83 (1995) 59
Chuev, G.N., Mesoscopic model of the solvated electron 83 (1995) 68
Chu, G., see Badrinarayanan, R. 83 (1995) 1
Constantin, P., Grossman, E. and Mungan, M., Inelastic collisions of three particles on a line as a two-dimensional billiard 83 (1995) 409
Cooper, F., Dawson, J., Habib, S., Kluger, Y., Meredith, D. and Shepard, H., Semiquantum chaos and the large N expansion 83 (1995) 74
Craig, K., see Sherwin, M.S. 83 (1995) 229
Crommie, M.F., Lutz, C.P., Eigler, D.M. and Heller, E.J., Quantum corrals 83 (1995) 98
Cvitanović, P., Dynamical averaging in terms of periodic orbits 83 (1995) 109

Dahlqvist, P., Periodic orbit asymptotics for intermittent Hamiltonian systems 83 (1995) 124
Davids, P.S. and Lerner, P.B., Cavity quantum electrodynamics in carbon nanotube 83 (1995) 143
Dawson, J., see Cooper, F. 83 (1995) 74
Dikandé, A.M. and Kofané, T.C., Nonlinear dynamics, soft-mode and central-peak phenomena in one-dimensional systems with long-range interparticle interactions 83 (1995) 450

Efetov, K., Supersymmetry in quantum chaos and mesoscopic physics 83 (1995) 151
Eigler, D.M., see Crommie, M.F. 83 (1995) 98

Fafard, S., see Sherwin, M.S. 83 (1995) 229

Galdrikian, B., see Sherwin, M.S. 83 (1995) 229
Goldman, A.M. and Liu, Y., The two-dimensional superconductor–insulator transition 83 (1995) 163
Gossard, A., see Sherwin, M.S. 83 (1995) 229
Grossman, E., see Constantin, P. 83 (1995) 409

Habib, S., see Cooper, F. 83 (1995) 74
Heller, E.J., see Crommie, M.F. 83 (1995) 98
Heyman, J., see Sherwin, M.S. 83 (1995) 229
Holm, D.D., see Berman, G.P. 83 (1995) 55
Hopkins, P.F., see Sherwin, M.S. 83 (1995) 229

José, J.V., see Badrinarayanan, R. 83 (1995) 1

Kan, I., Koçak, H. and Yorke, J.A., Persistent homoclinic tangencies in the Hénon family 83 (1995) 313
Kluger, Y., see Cooper, F. 83 (1995) 74
Koçak, H., see Kan, I. 83 (1995) 313
Koch, P.M., Microwave "ionization" of excited hydrogen atoms:. How nonclassical local stability brought about by scarred separatrix states is affected by broadband noise and by varying the pulse envelope 83 (1995) 178
Kofané, T.C., see Dikandé, A.M. 83 (1995) 450

Lega, J., Moloney, J.V. and Newell, A.C., Universal description of laser dynamics near threshold 83 (1995) 478
Lerner, P.B., see Davids, P.S. 83 (1995) 143
Li, Q., see Wan, Y. 83 (1995) 280
Liu, Y., see Goldman, A.M. 83 (1995) 163
Losson, J., Milton, J. and Mackey, M.C., Erratum to "Phase transitions in networks of chaotic elements with short and long range iterations" [Physica D 81 (1995) 177–203] 83 (1995) 499
Luie, S.-Y., see Bayfield, J.E. 83 (1995) 46
Lutz, C.P., see Crommie, M.F. 83 (1995) 98

Mackey, M.C., see Losson, J. 83 (1995) 499
Mainieri, R., Cycle expansions with pruned orbits have branch points 83 (1995) 206
Markelz, A., see Sherwin, M.S. 83 (1995) 229
Martin, T., Wentzel–Bardeen singularity in coupled Luttinger liquids: transport properties 83 (1995) 216
Meredith, D., see Cooper, F. 83 (1995) 74
Merkin, J.H., see Yannacopoulos, A.N. 83 (1995) 421
Milton, J., see Losson, J. 83 (1995) 499
Moloney, J.V., see Lega, J. 83 (1995) 478
Mungan, M., see Constantin, P. 83 (1995) 409

Newell, A.C., see Lega, J. 83 (1995) 478

Paz, J.P., see Zurek, W.H. 83 (1995) 300
Perotti, L.C., see Bayfield, J.E. 83 (1995) 46
Phillips, P., see Wan, Y. 83 (1995) 280
Pilling, M.J., see Yannacopoulos, A.N. 83 (1995) 421
Price, C.B., The Helmholtzian equation: stabilizing mechanisms for quadratic nonlinear fields 83 (1995) 374

Reyna, L.G., see Soběhart, J.R. 83 (1995) 243
Richter, K., see Weiss, D. 83 (1995) 290

Scharf, R., see Sundaram, B. 83 (1995) 257
Shao, Y., The fractional Ornstein–Uhlenbeck process as a representation of homogeneous Eulerian velocity turbulence 83 (1995) 461
Shepard, H., see Cooper, F. 83 (1995) 74
Sherwin, M.S., Craig, K., Galdrikian, B., Heyman, J., Markelz, A., Campman, K., Fafard, S., Hopkins, P.F. and Gossard, A., Nonlinear quantum dynamics in semiconductor quantum wells 83 (1995) 229
Silbergleit, A.S., see Bakaleinikov, L.A. 83 (1995) 326
Silbergleit, A.S., see Bakaleinikov, L.A. 83 (1995) 342
Skrzypkowski, M.P., see Bayfield, J.E. 83 (1995) 46
Soběhart, J.R. and Reyna, L.G., A stochastic approach to two-level ion dynamics driven by light beams 83 (1995) 243
Sundaram, B. and Scharf, R., A standard perspective on ghosts 83 (1995) 257

Tin, S.-K., Transversality of double-pulse homoclinic orbits in the inviscid Lorenz–Krishnamurthy system 83 (1995) 383
Tomlin, A.S., see Yannacopoulos, A.N. 83 (1995) 421
Troll, G., A hyperbolic scenario to chaotic scattering: horshoe truncation by potential deformation 83 (1995) 355
Trugman, S.A., Complex scattering dynamics and the quantum Hall effect 83 (1995) 271

Wang, L., Zhang, J.K. and Bishop, A.R., Conductance of electron tunneling through a quantum dot 83 (1995) 286
Wan, Y., Phillips, P. and Li, Q., The role of spin-exchange on transport in quantum dots 83 (1995) 280
Weiss, D. and Richter, K., Complex and quantized electron motion in antidot arrays 83 (1995) 290

Yannacopoulos, A.N., Tomlin, A.S., Brindley, J., Merkin, J.H. and Pilling, M.J., The use of algebraic sets in the approximation of inertial manifolds and lumping in chemical kinetic systems 83 (1995) 421
Yorke, J.A., see Kan, I. 83 (1995) 313

Zhang, J.K., see Wang, L. 83 (1995) 286
Zurek, W.H. and Paz, J.P., Quantum chaos: a decoherent definition 83 (1995) 300